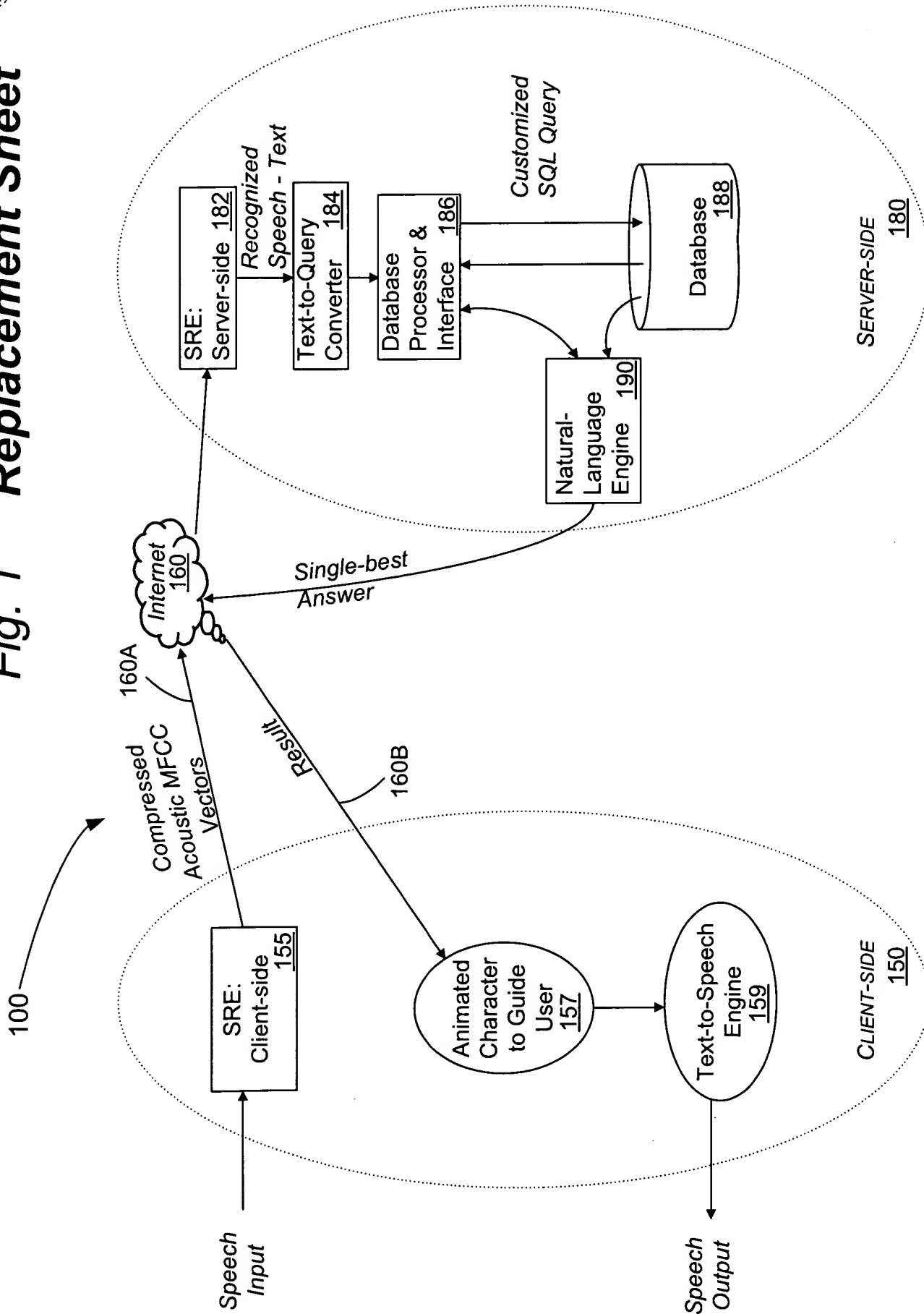
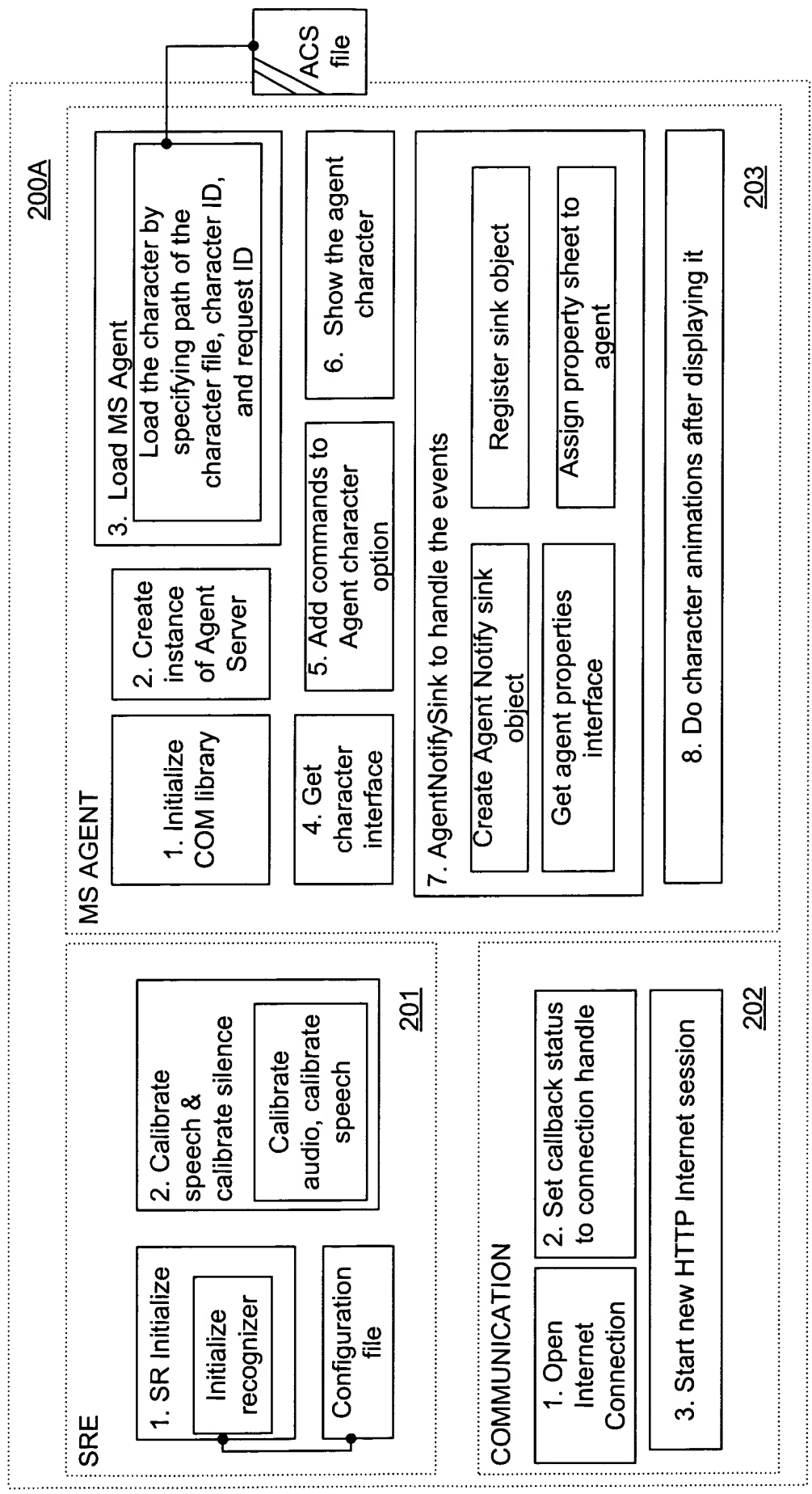


Fig. 1 Replacement Sheet



Replacement Sheet *Figure 2 (Page 1/3)*
 CLIENT-SIDE SYSTEM LOGIC



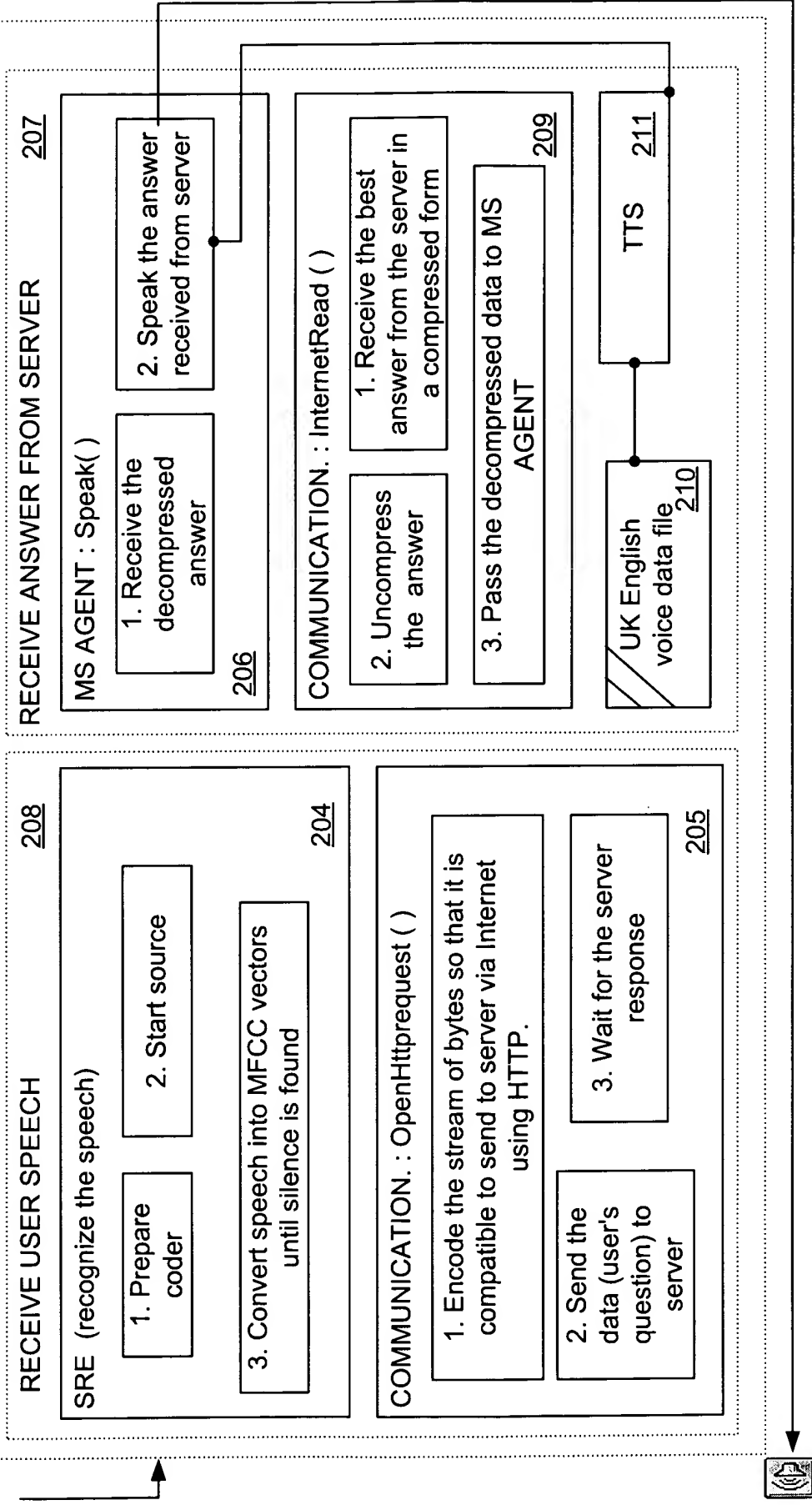
Replacement Sheet Figure 2 (Page 2/3)

CLIENT-SIDE SYSTEM LOGIC

215

This is an iterative process. This process initiated as and when user speaks by pressing control.

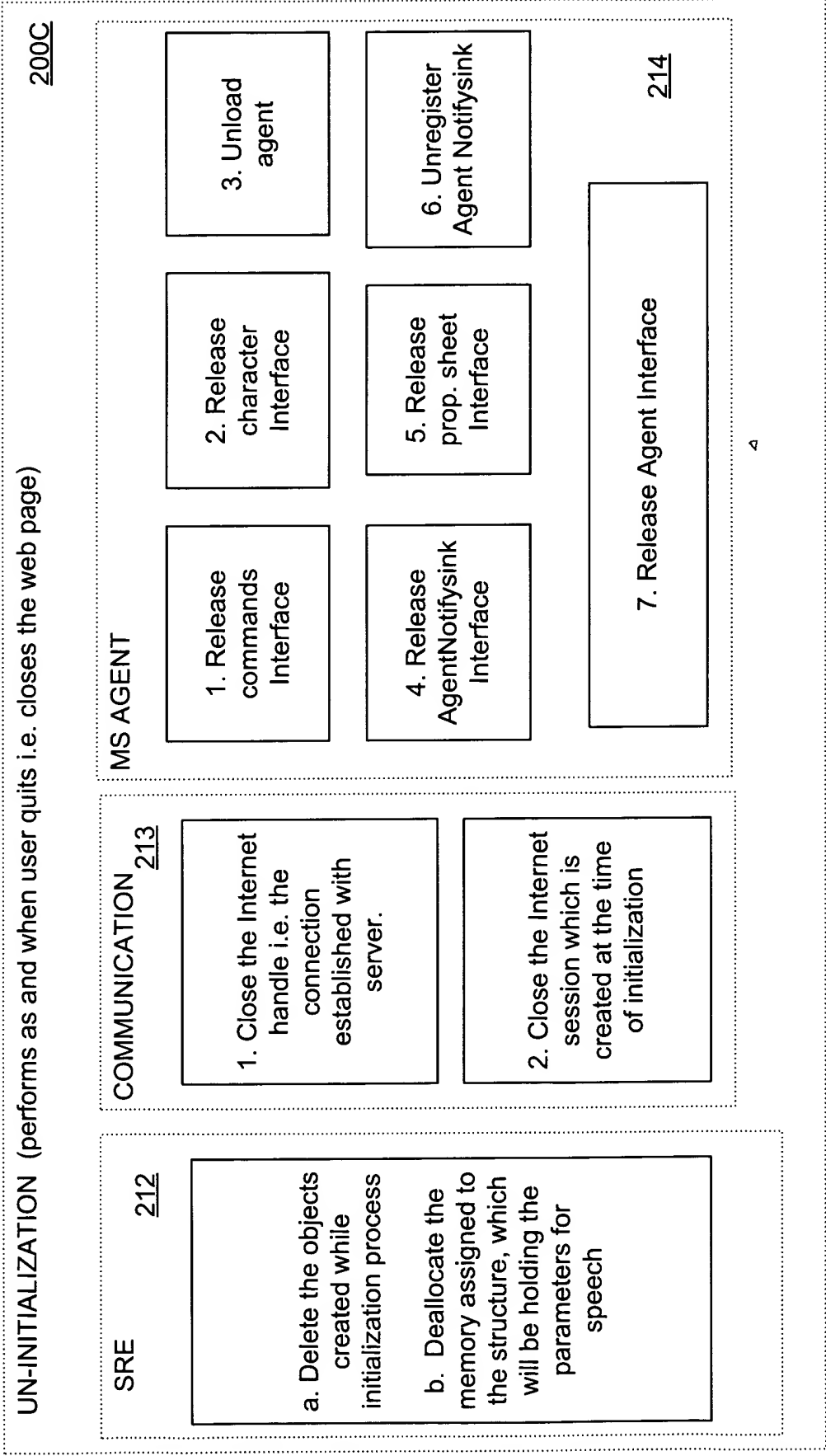
200B



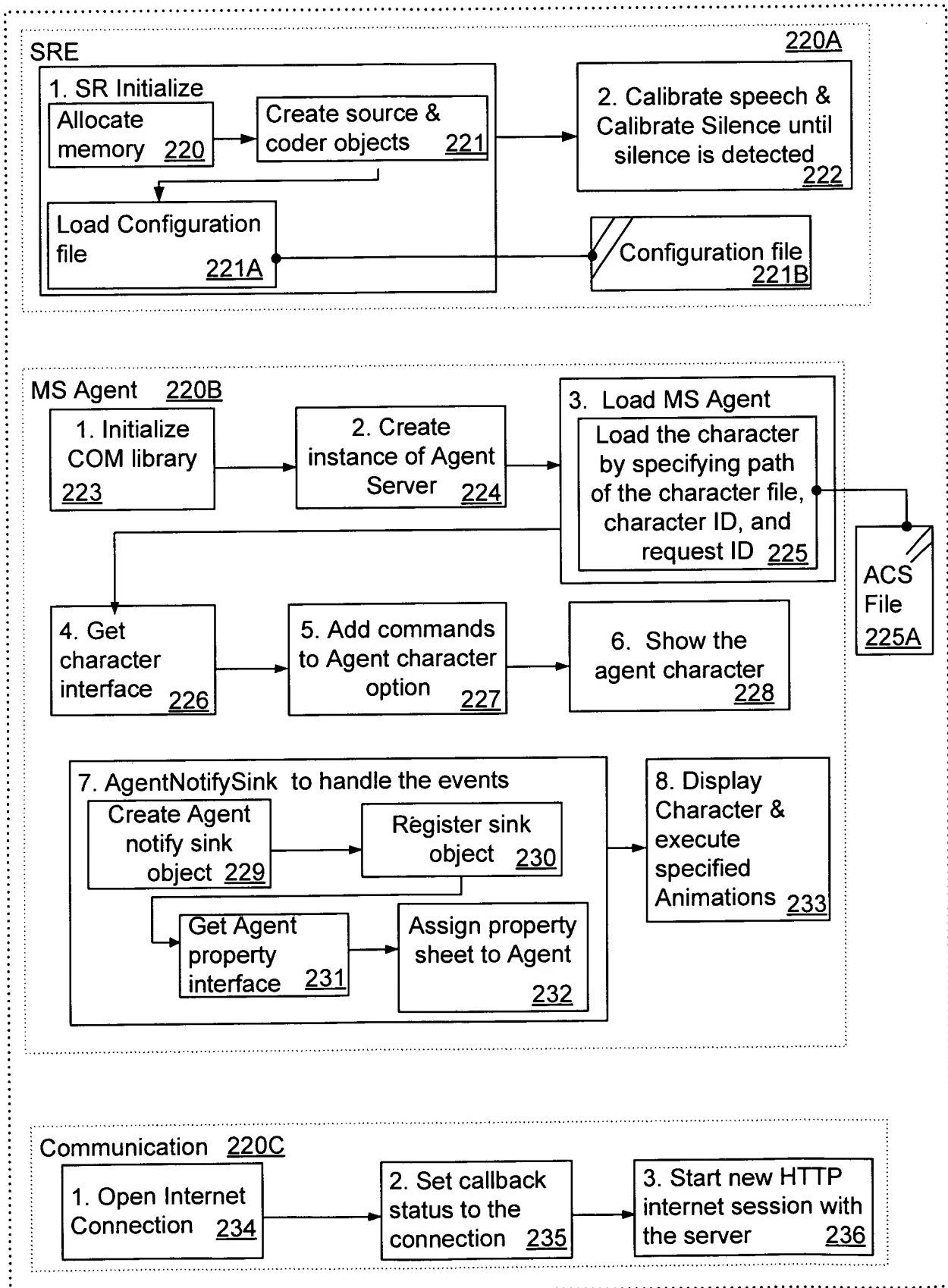


Replacement Sheet Figure 2 (Page 3/3)

CLIENT-SIDE SYSTEM LOGIC



Replacement Sheet Fig. 2-2 client-side Initialization





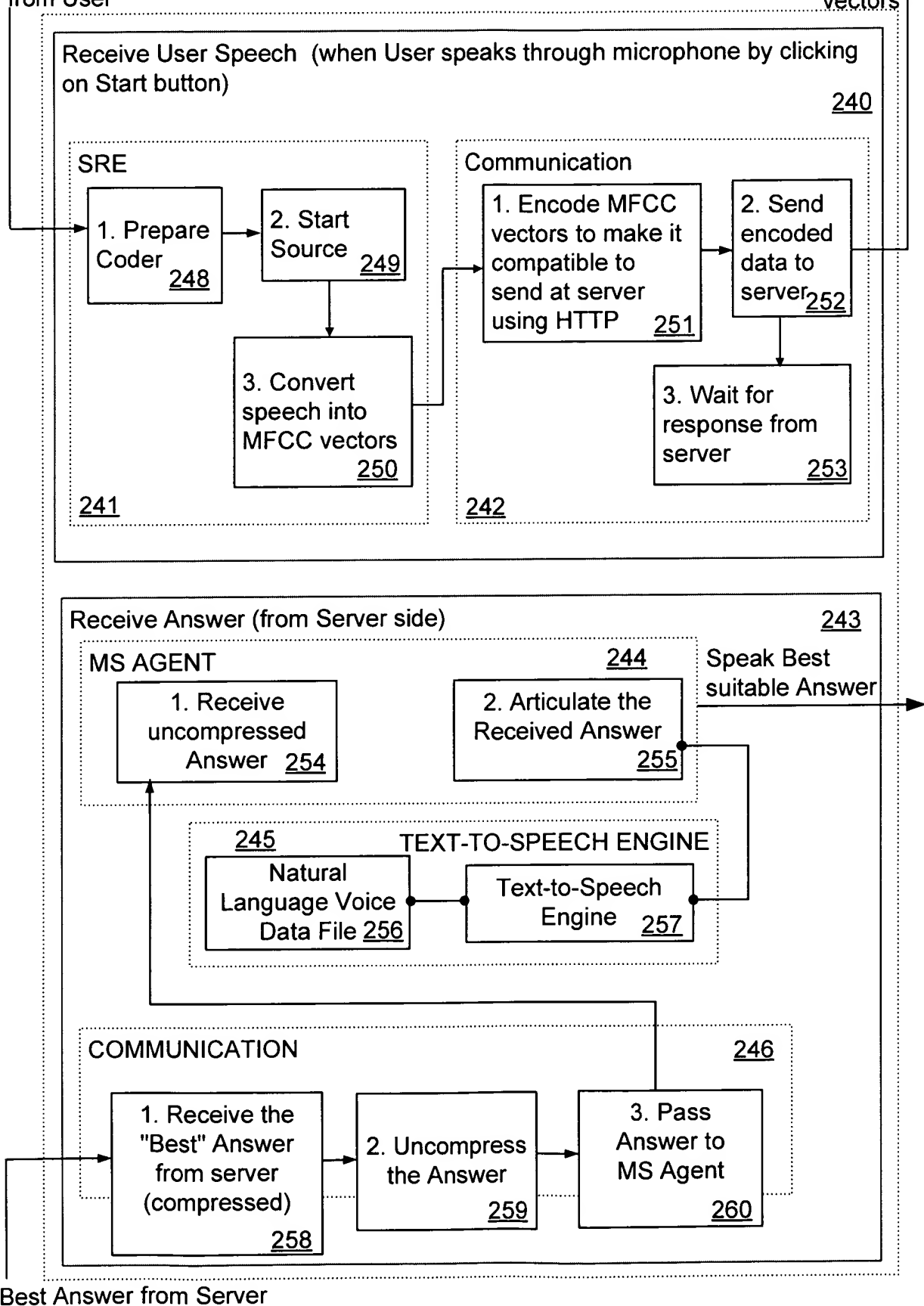
Replacement Sheet

Fig. 3

Speech
from User

Client-side Iterative Process

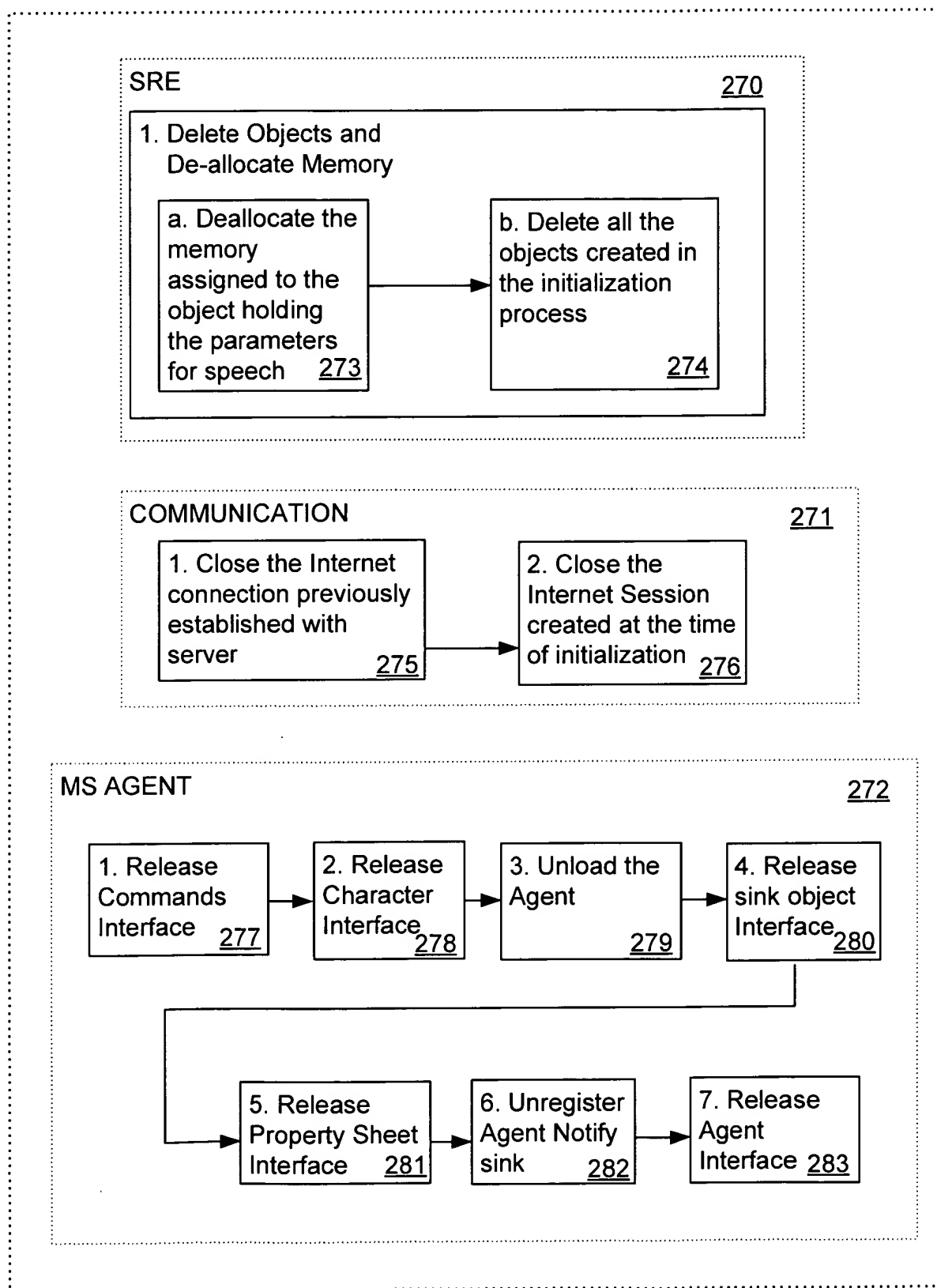
Encoded
MFCC
vectors





Replacement Sheet

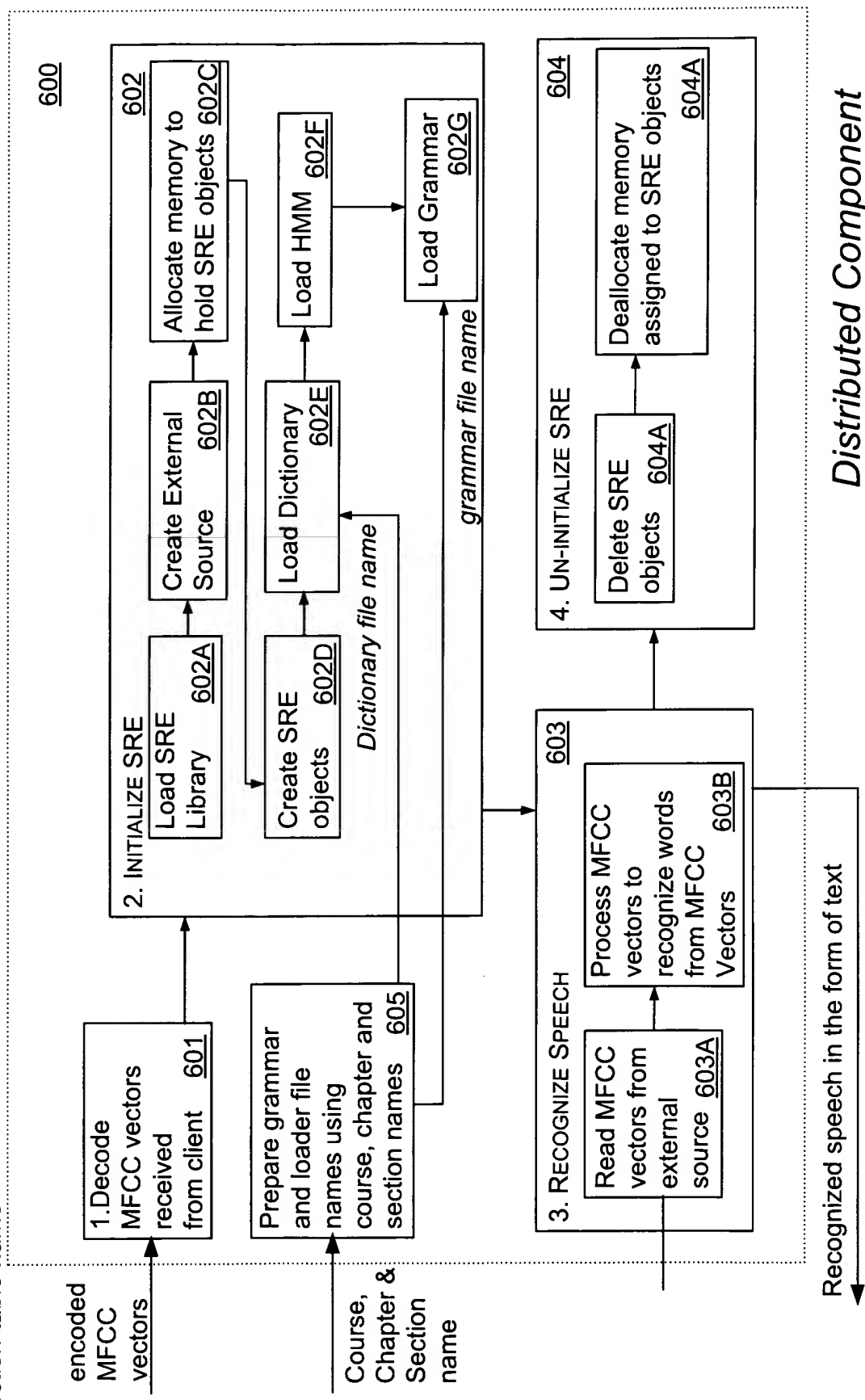
Fig. 4
Client-side Un-Initialization





Replacement Sheet Fig. 4A

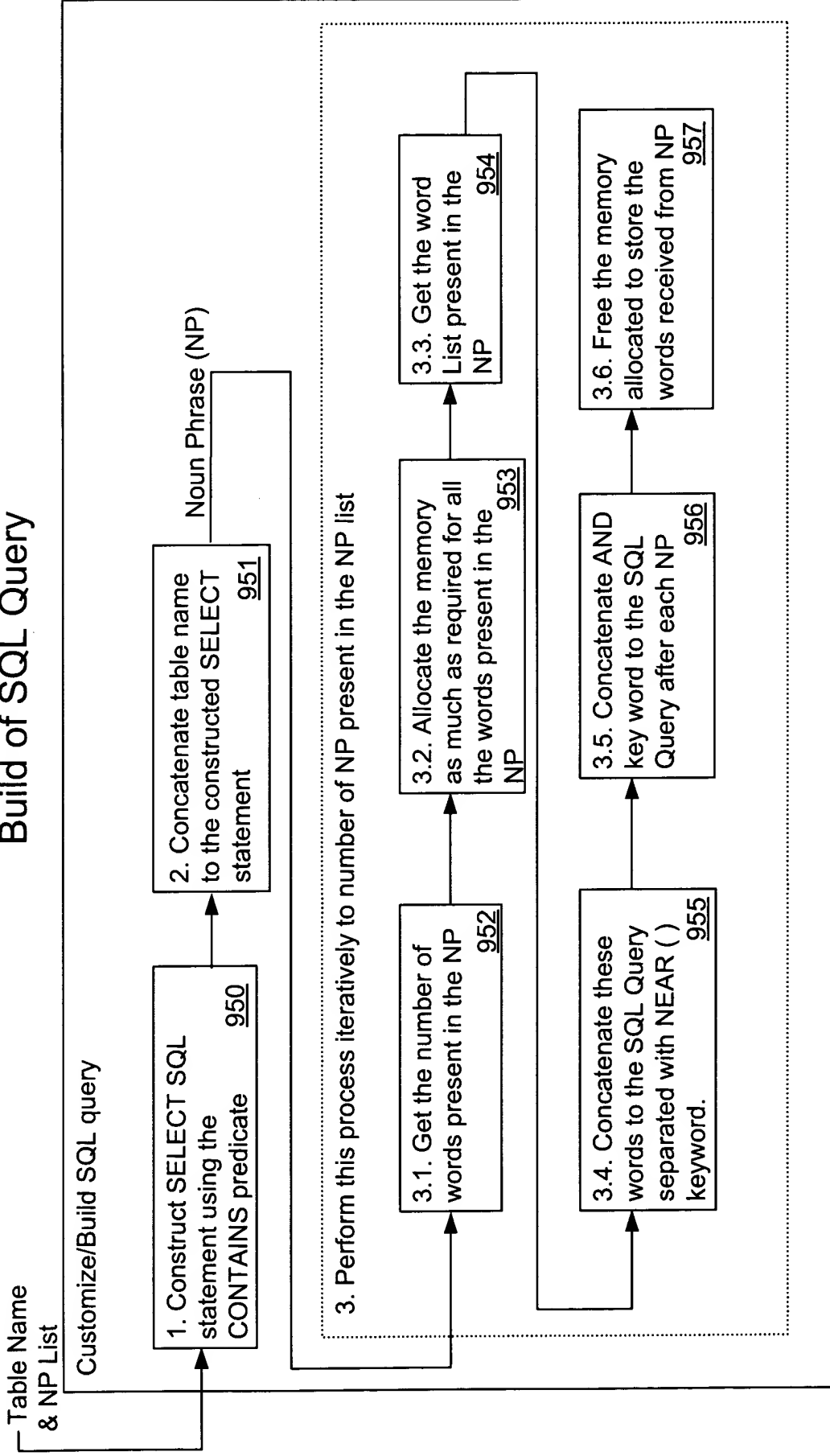
Note: course-DB name
chapter-table name
section-table name



*Distributed Component
of SRE at Server-Side*

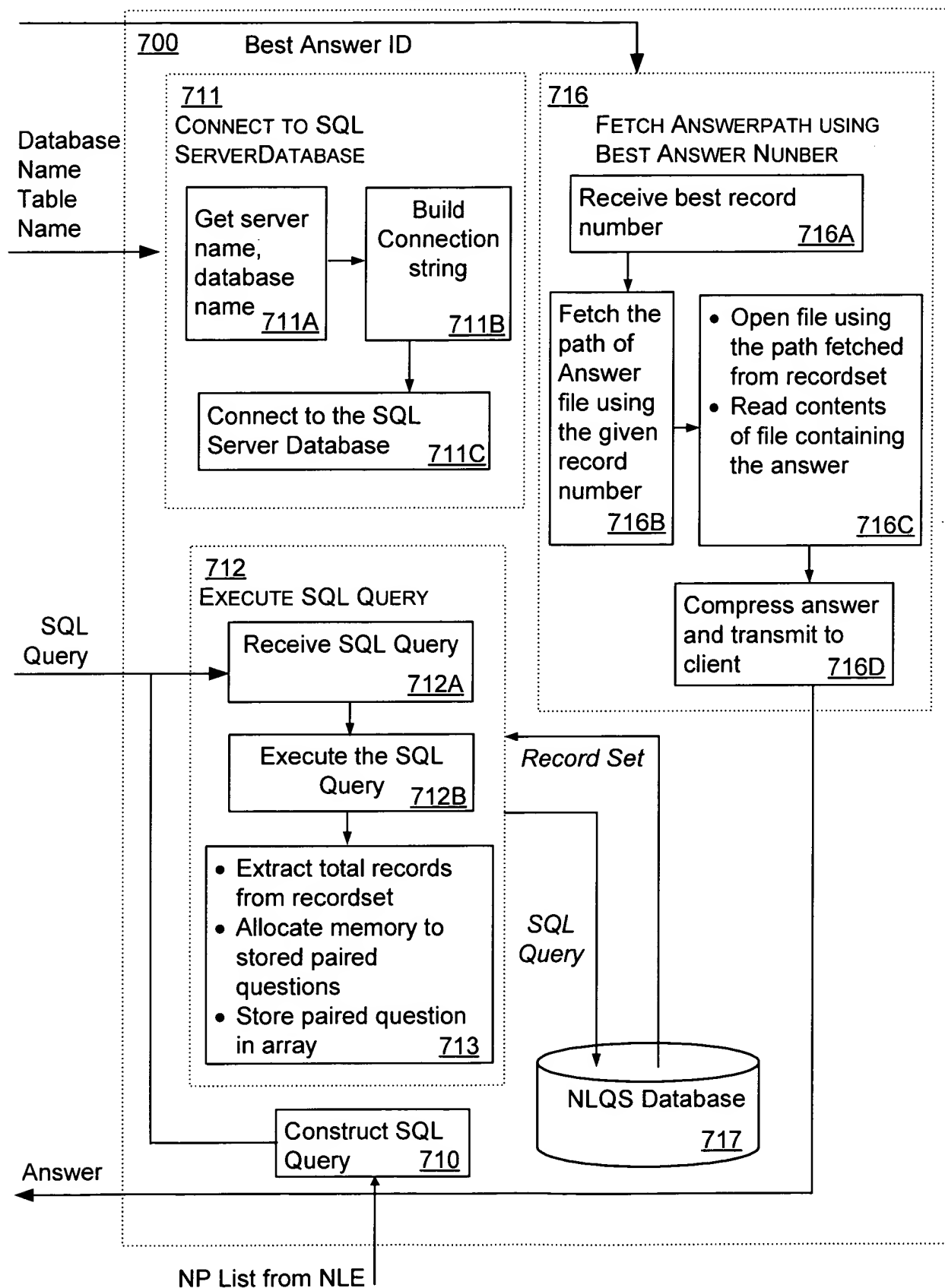
Replacement Sheet Fig. 4B

Build of SQL Query



Replacement Sheet Fig. 4C

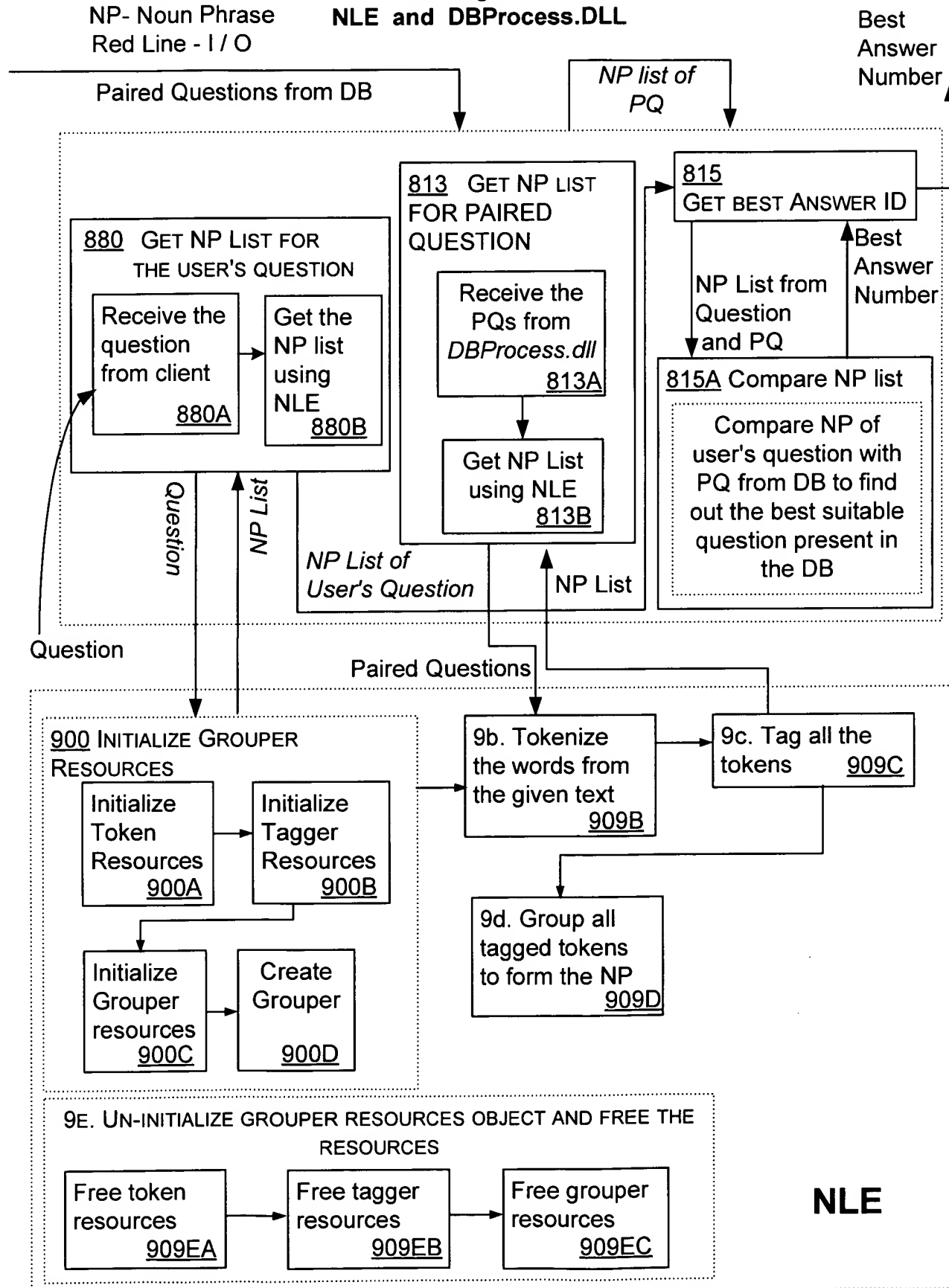
Server-side DBProcess DLL



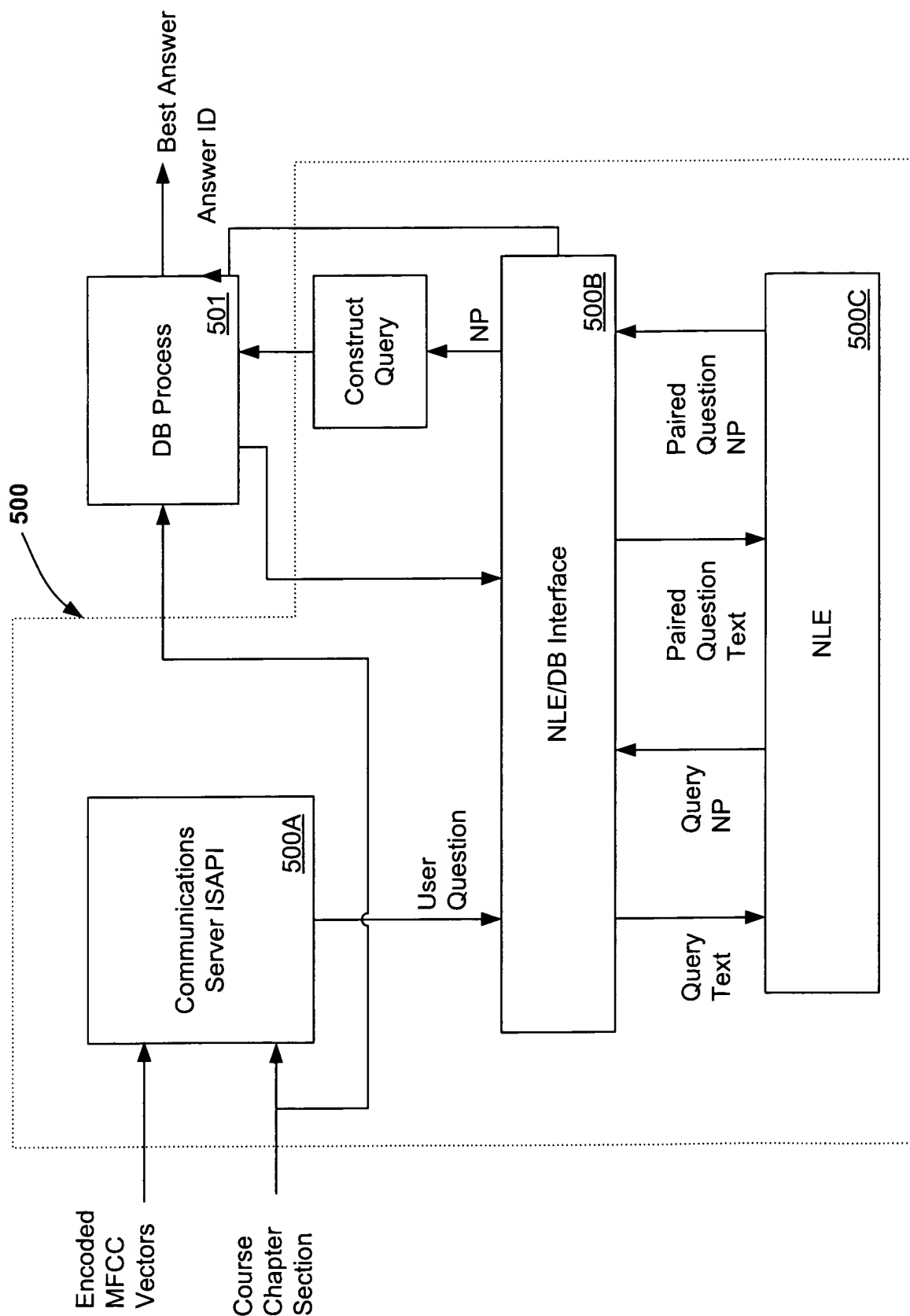


Replacement Sheet Fig. 4D

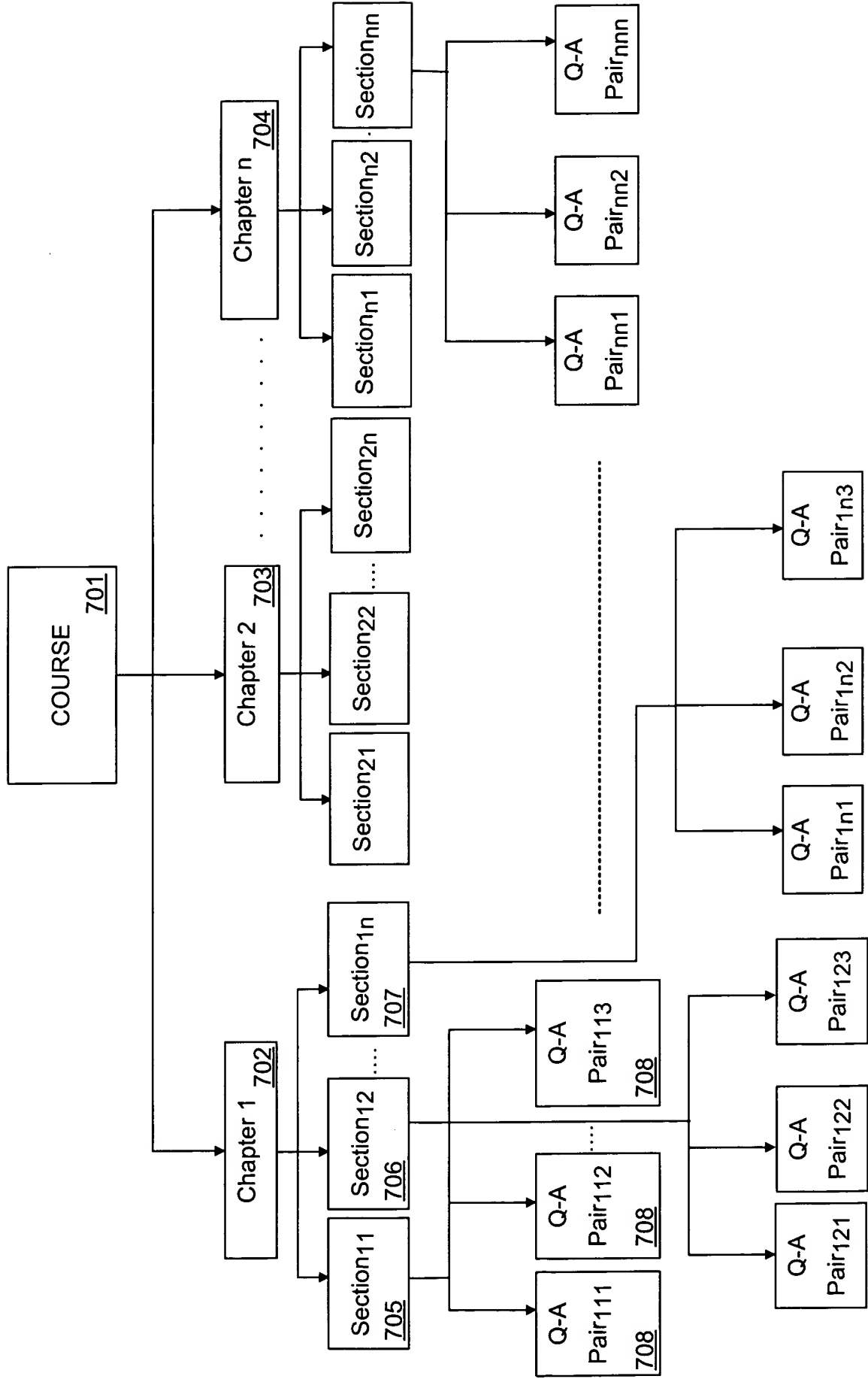
Note: PQ - Paired Question
NP- Noun Phrase
Red Line - I / O



Replacement Sheet Fig. 5



Replacement Sheet Fig.6





Replacement Sheet Fig.7A

FIELD NAME <u>701A</u>	DATA TYPE <u>702A</u>	SIZE <u>703A</u>	NULL <u>704A</u>	PRIMARY KEY <u>705A</u>	INDEXED? <u>706A</u>
ChapterName <u>707A</u>	Varchar	255	No	No	Yes
SectionName <u>708A</u>	Varchar	255	No	No	Yes



Replacement Sheet Fig.7B

FIELD NAME <u>720</u>	DATA TYPE <u>721</u>	SIZE <u>722</u>	NULL <u>723</u>	PRIMARY KEY <u>724</u>	INDEXED? <u>725</u>
Chapter_ID <u>726</u>	Integer		No	Yes	Yes
Answer_ID <u>727</u>	Char	5	No	UNIQUE	Yes
Section_Name <u>728</u>	Varchar	255	No	UNIQUE	Yes
Answer_Title <u>729</u>	Varchar	255	Yes	No	Yes
PairedQuestion <u>730</u>	Text	16	No	No	Yes (Full-Text)
AnswerPath <u>731</u>	Varchar	255	No	No	Yes
Creator <u>732</u>	Varchar	50	No	No	Yes
Date_of_Creation <u>733</u>	Date	-	No	No	Yes
Date_of_Modification <u>734</u>	Date	-	No	No	Yes

Replacement Sheet Fig. 7C



Field	<u>720</u>	Description	<u>735</u>
AnswerID	<u>727</u>	An integer - automatically incremented for user convenience	
Section_Name	<u>728</u>	Name of section to which the particular record belongs. This field along with AnswerID has to be made primary key	
Answer_Title	<u>729</u>	A short description of the answer	
PairedQuestion	<u>730</u>	Contains one or more combinations of questions for the related answer whose path is stored in the next column AnswerPath	
AnswerPath	<u>731</u>	Contains the path of text file, which contains the answer to the related questions stored in the previous column	
Creator	<u>732</u>	Name of content creator	
Date_of_Creation	<u>733</u>	Date on which content has been added	
Date_of_Modification	<u>734</u>	Date on which content has been changed or modified	

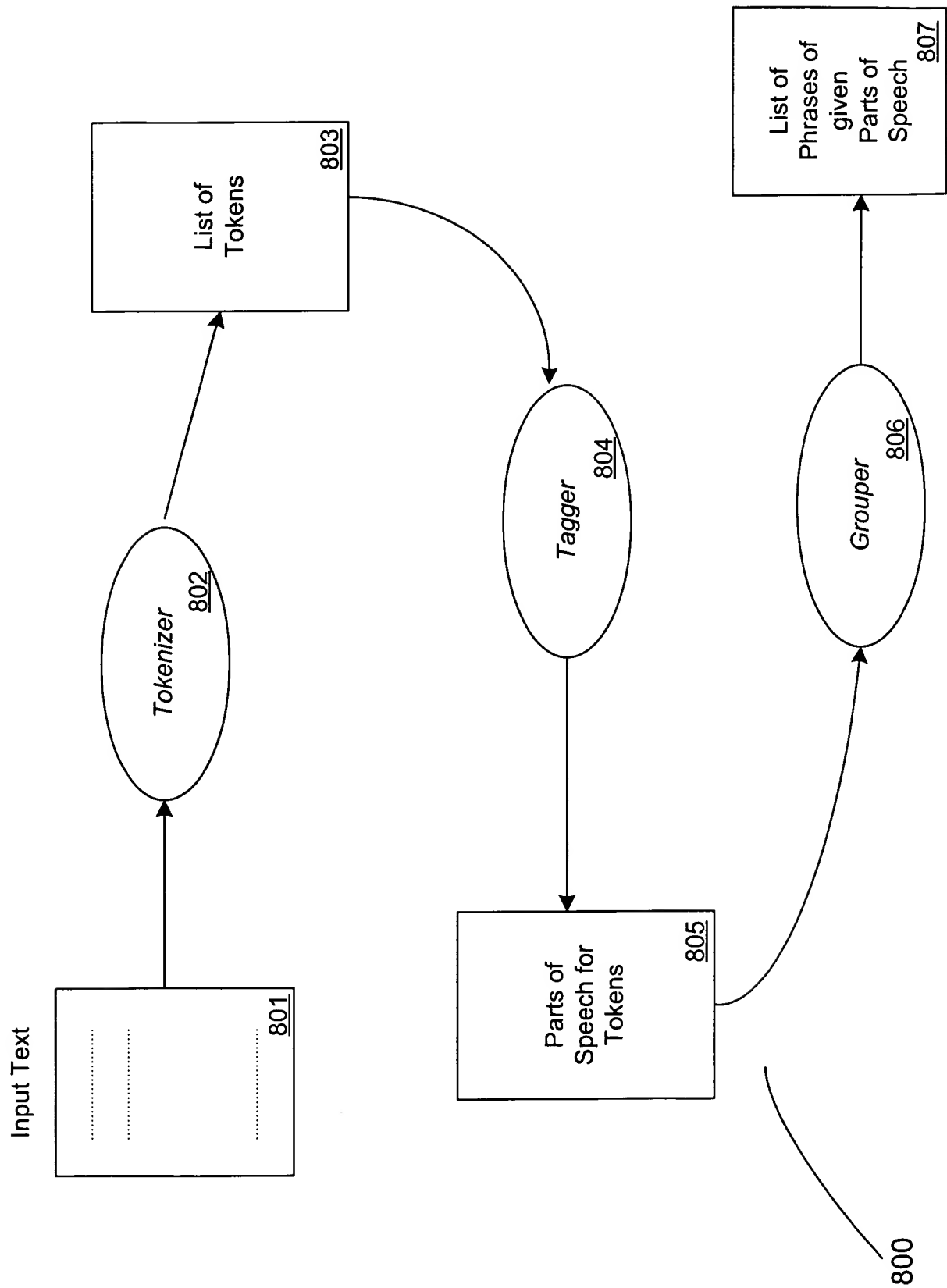


Replacement Sheet Fig. 7D

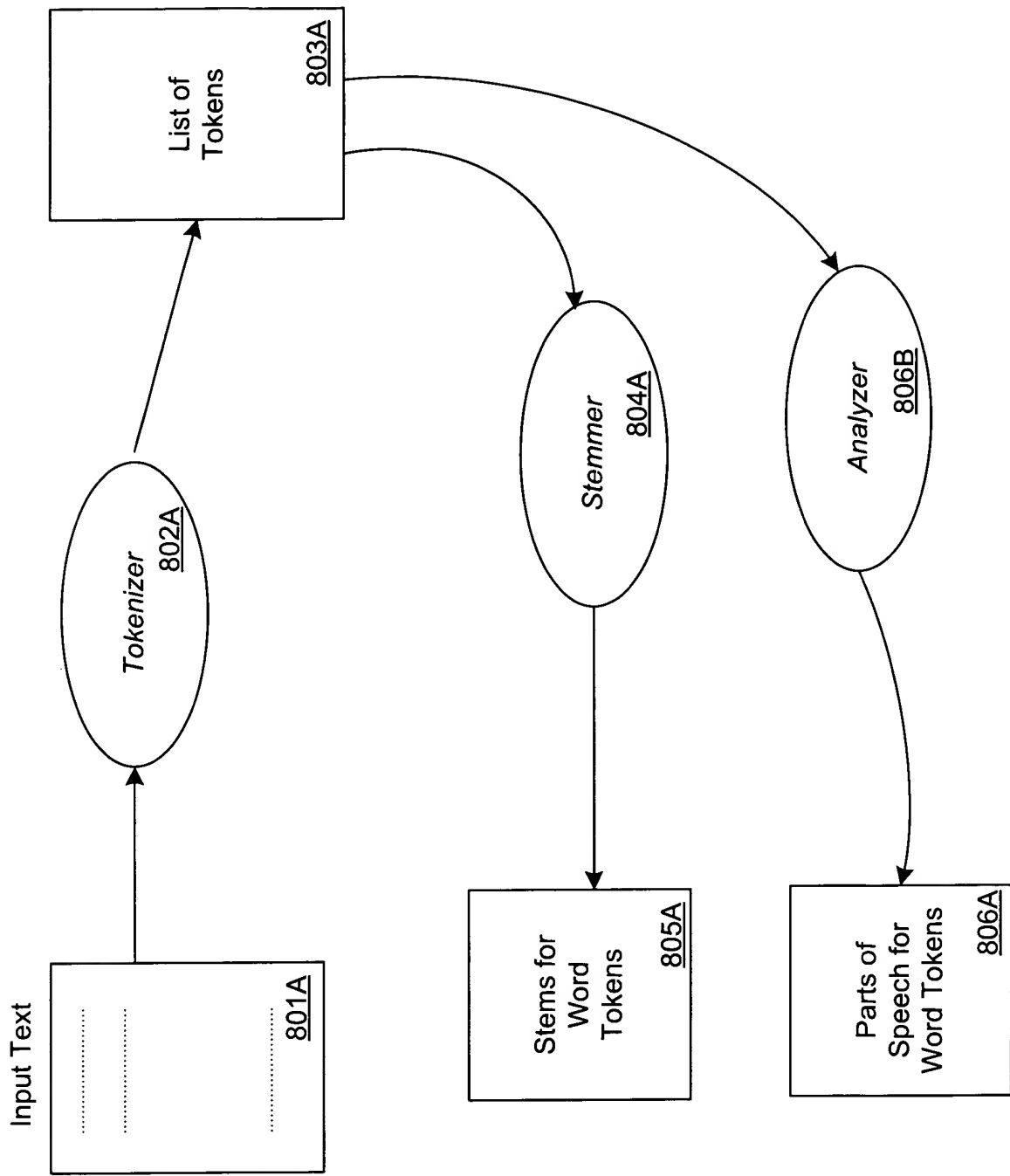
FIELD <u>740</u>	DATA TYPE <u>741</u>	SIZE <u>742</u>	NULL <u>743</u>	PRIMARY KEY <u>744</u>	INDEXED <u>745</u>
Answer_ID <u>746</u>	Char	5	No	Yes	Yes
Answer_Title <u>747</u>	Varchar	255	Yes	No	No
PairedQuestion <u>748</u>	Text	16	No	No	Yes (Full-Text)
Answer_Path <u>749</u>	Varchar	255	No	No	No
Creator <u>750</u>	Varchar	50	No	No	No
Date_of_Creation <u>751</u>	Date	-	No	No	No
Date_of_Modification <u>752</u>	Date	-	No	No	No



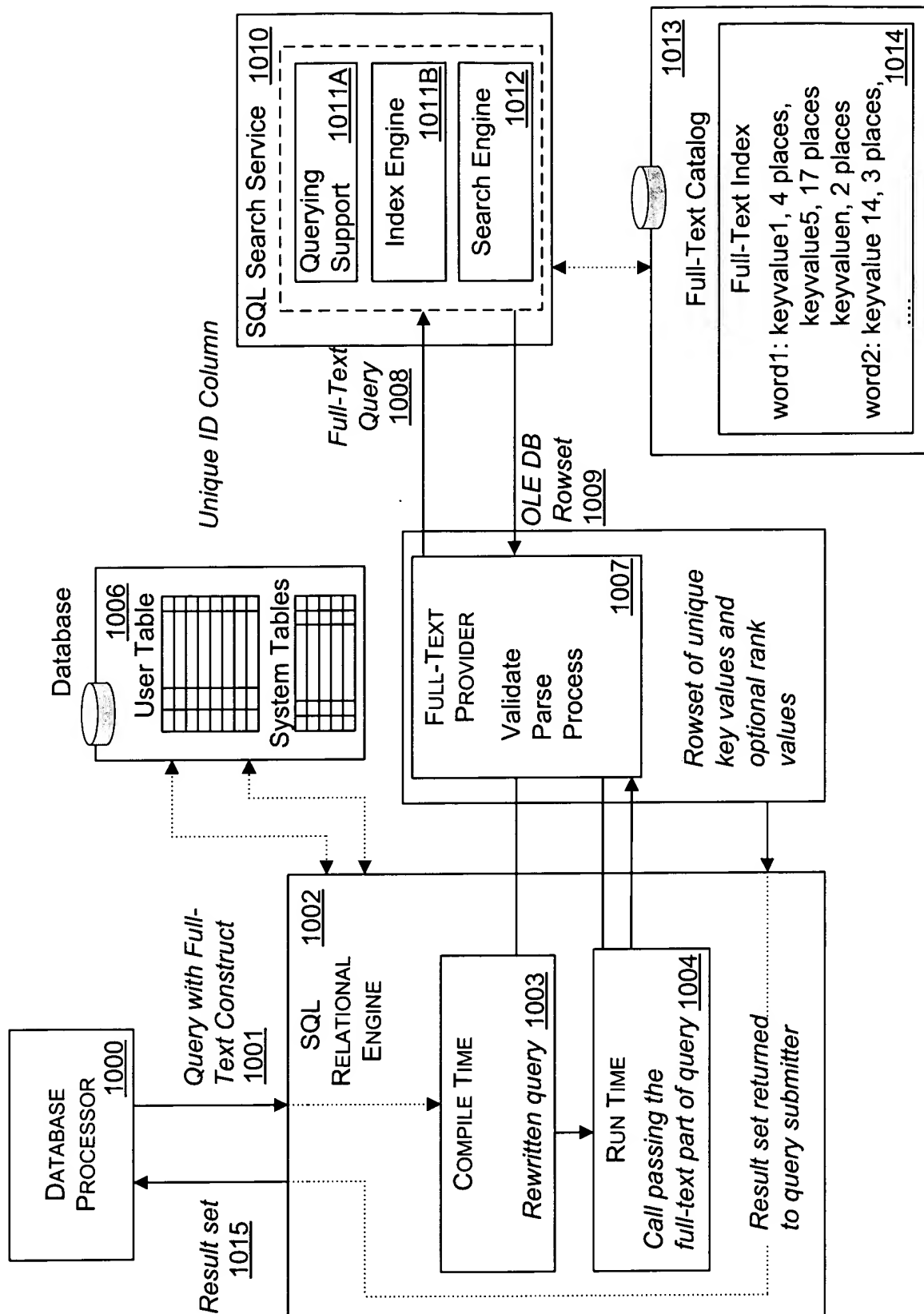
Replacement Sheet Fig. 8



Replacement Sheet Fig. 9



Replacement Sheet Fig. 10





Replacement Sheet Fig. 11A

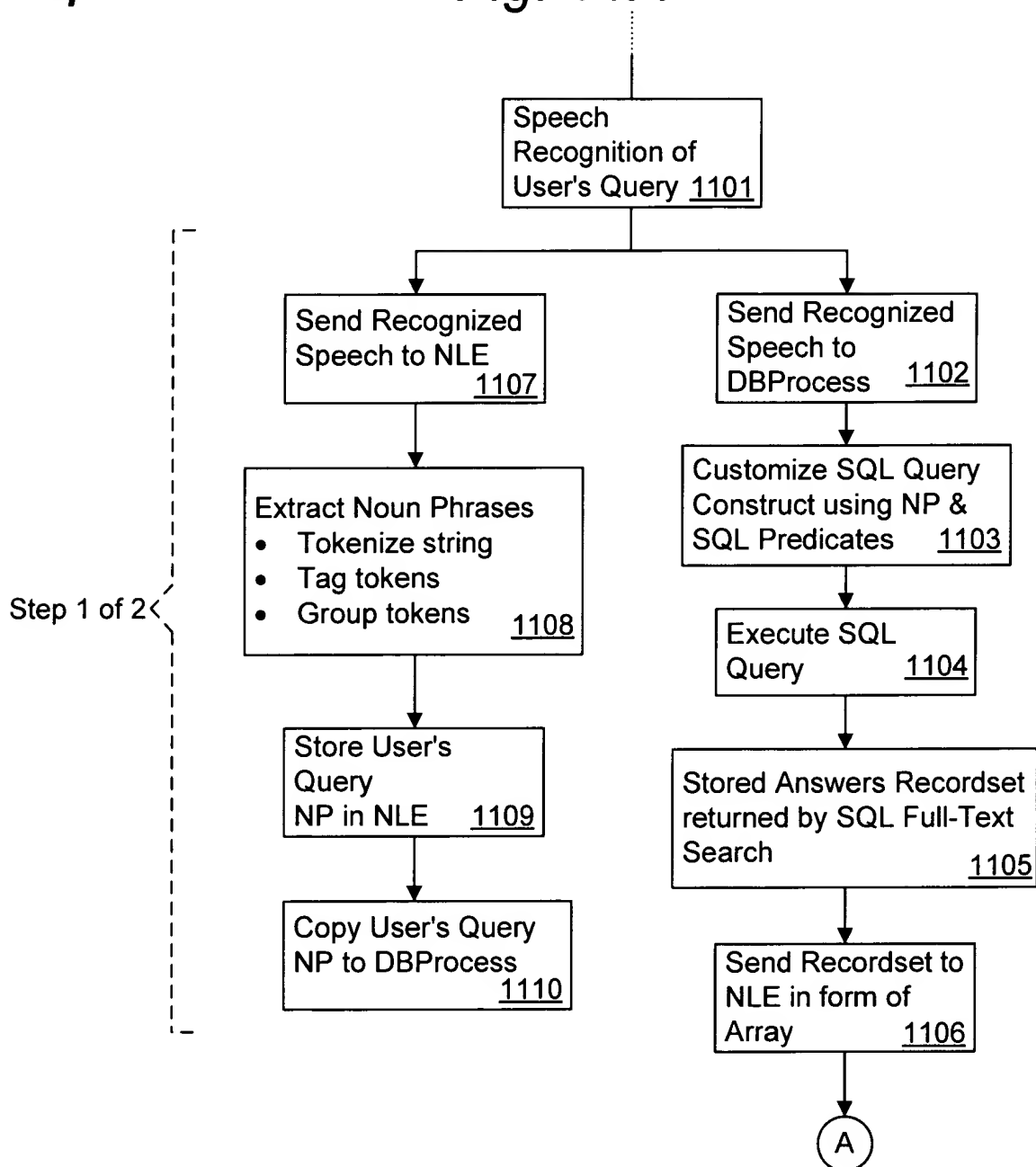
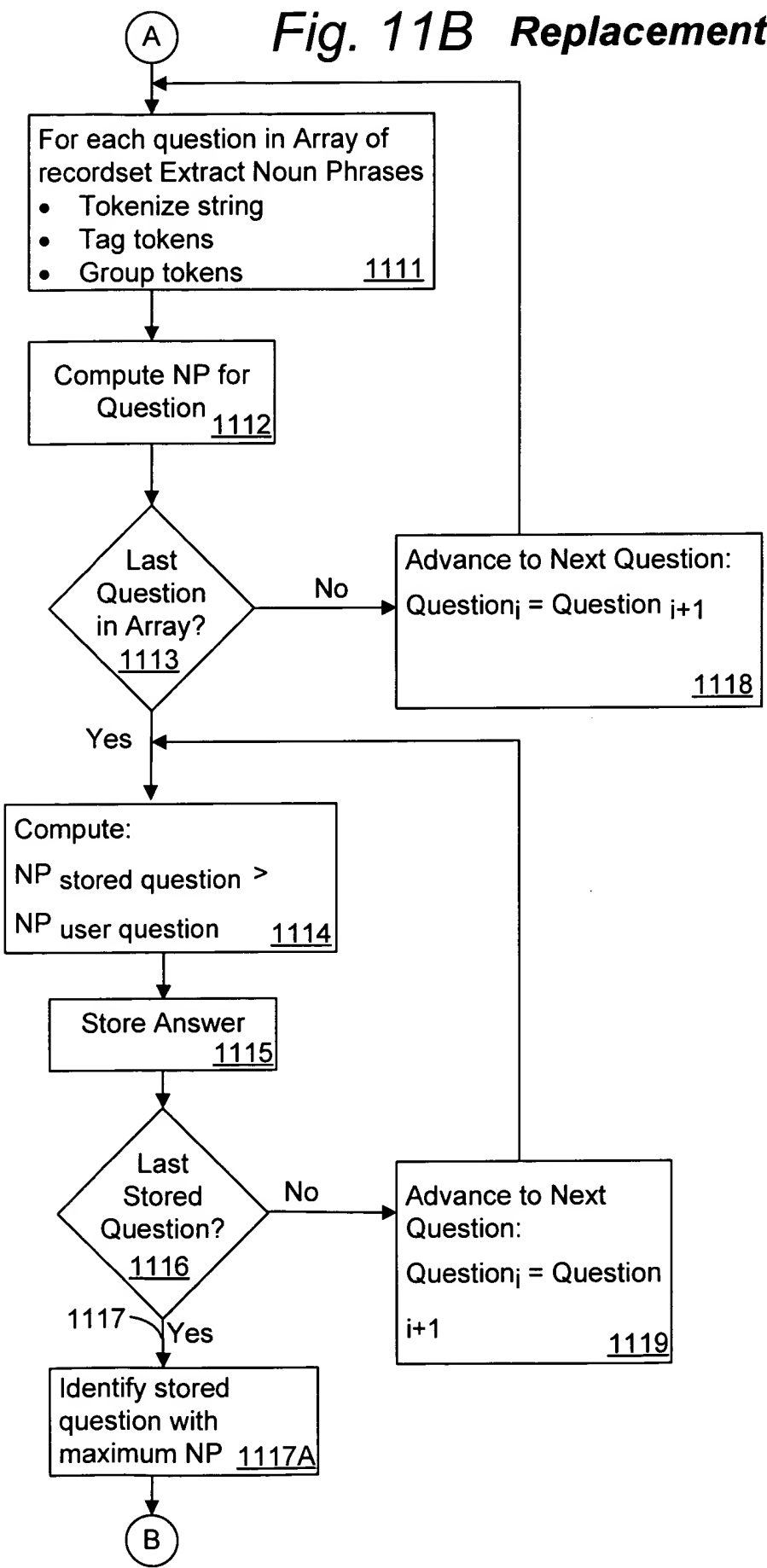


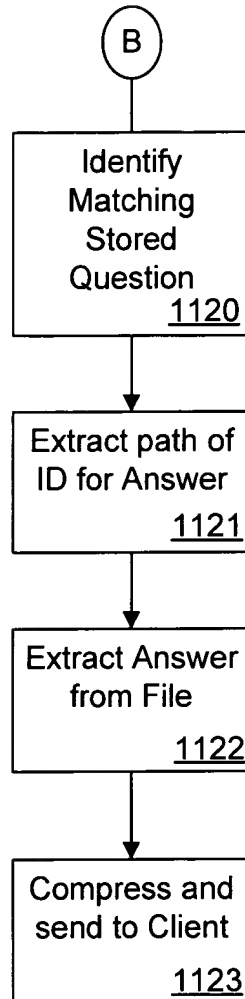


Fig. 11B Replacement Sheet

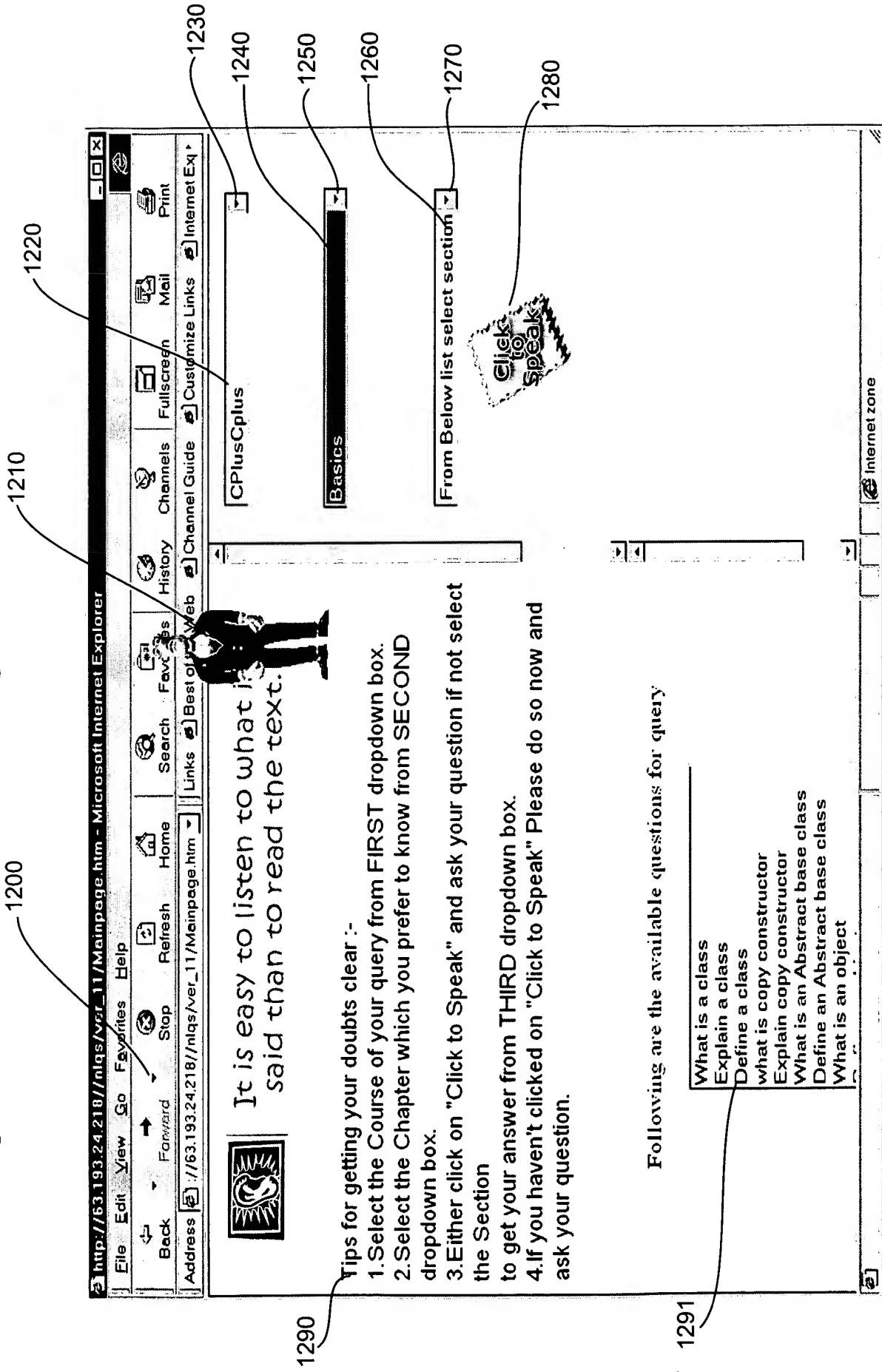




Replacement Sheet Fig. 11C

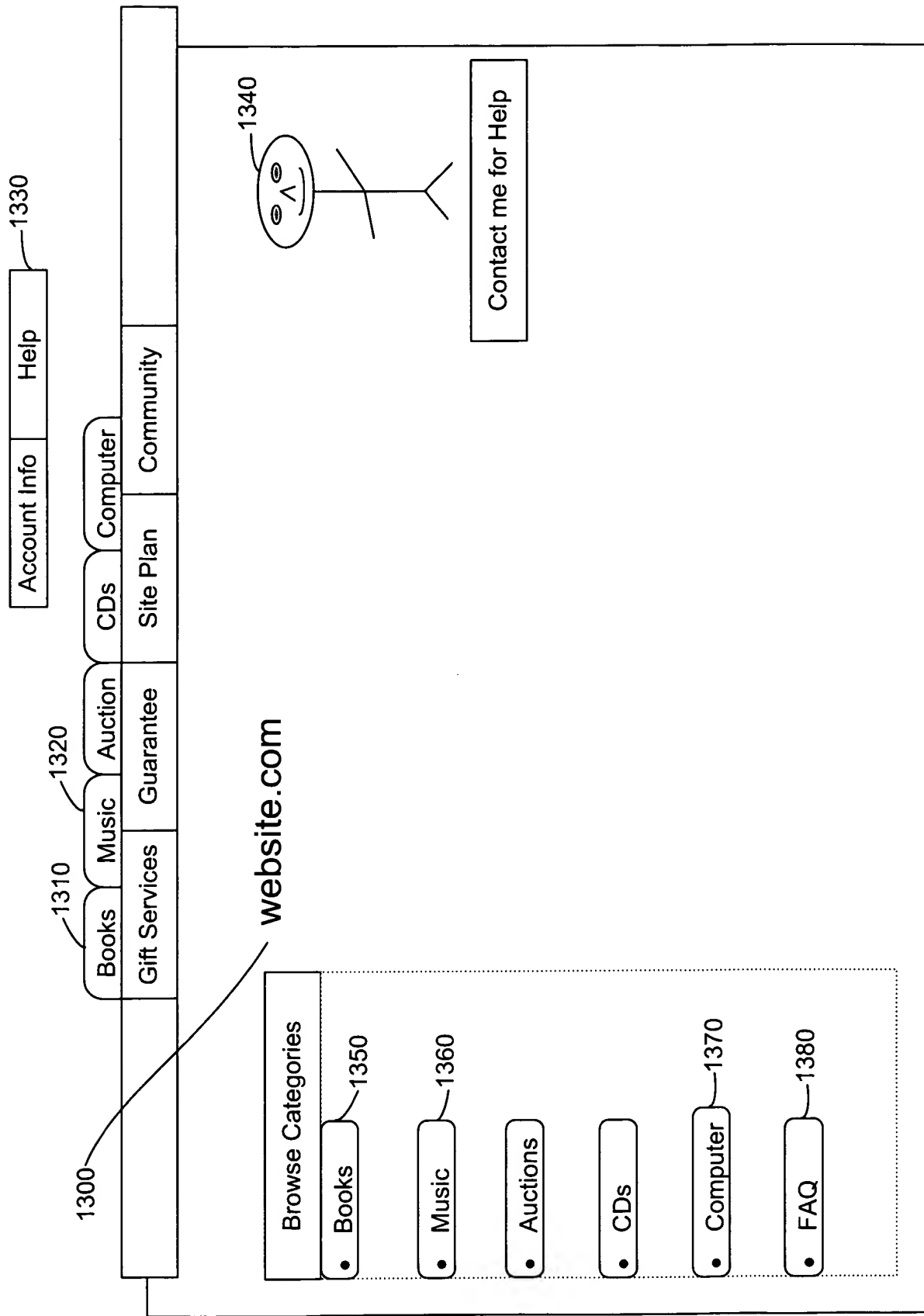


Replacement Sheet Fig. 12

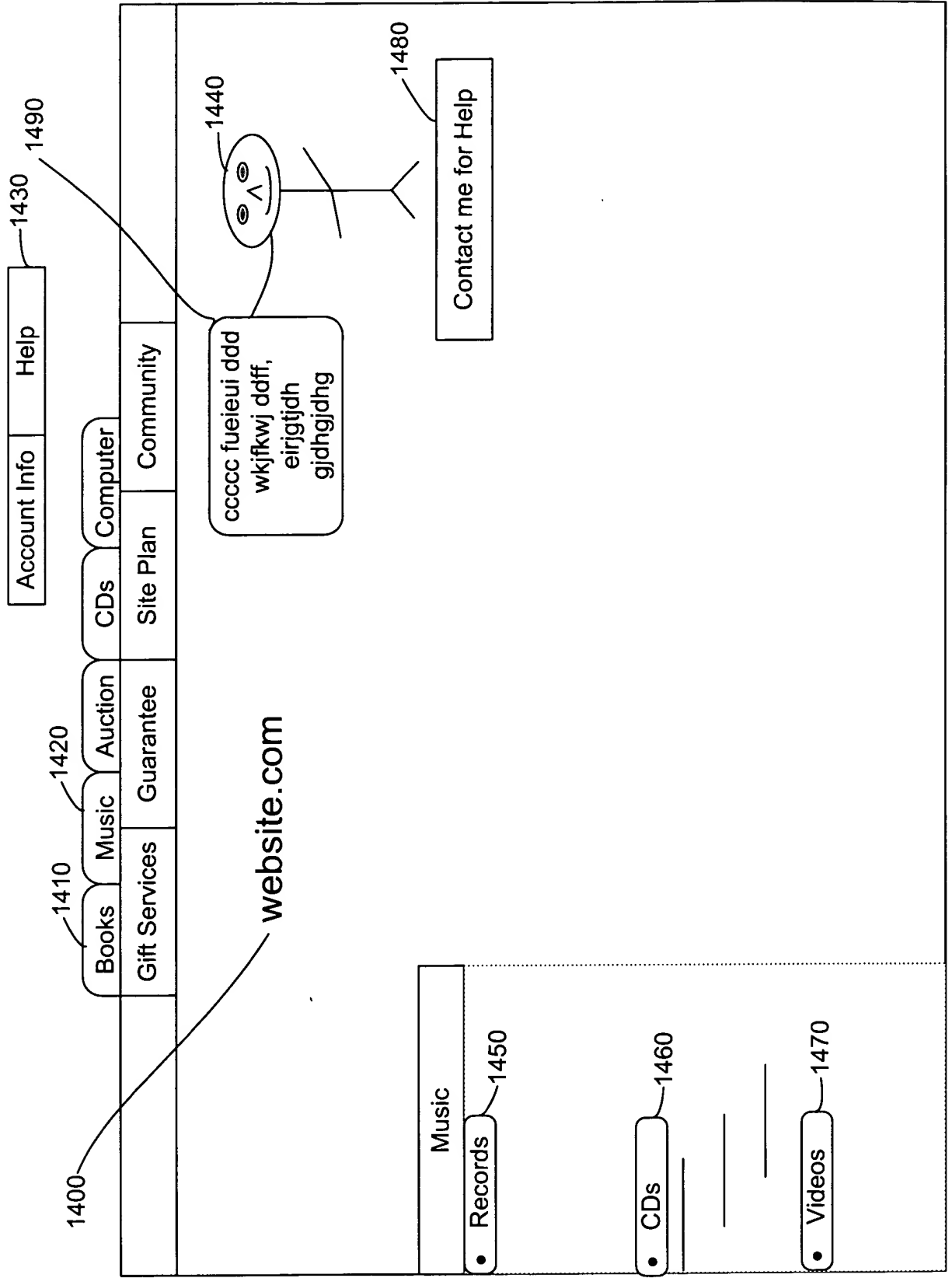




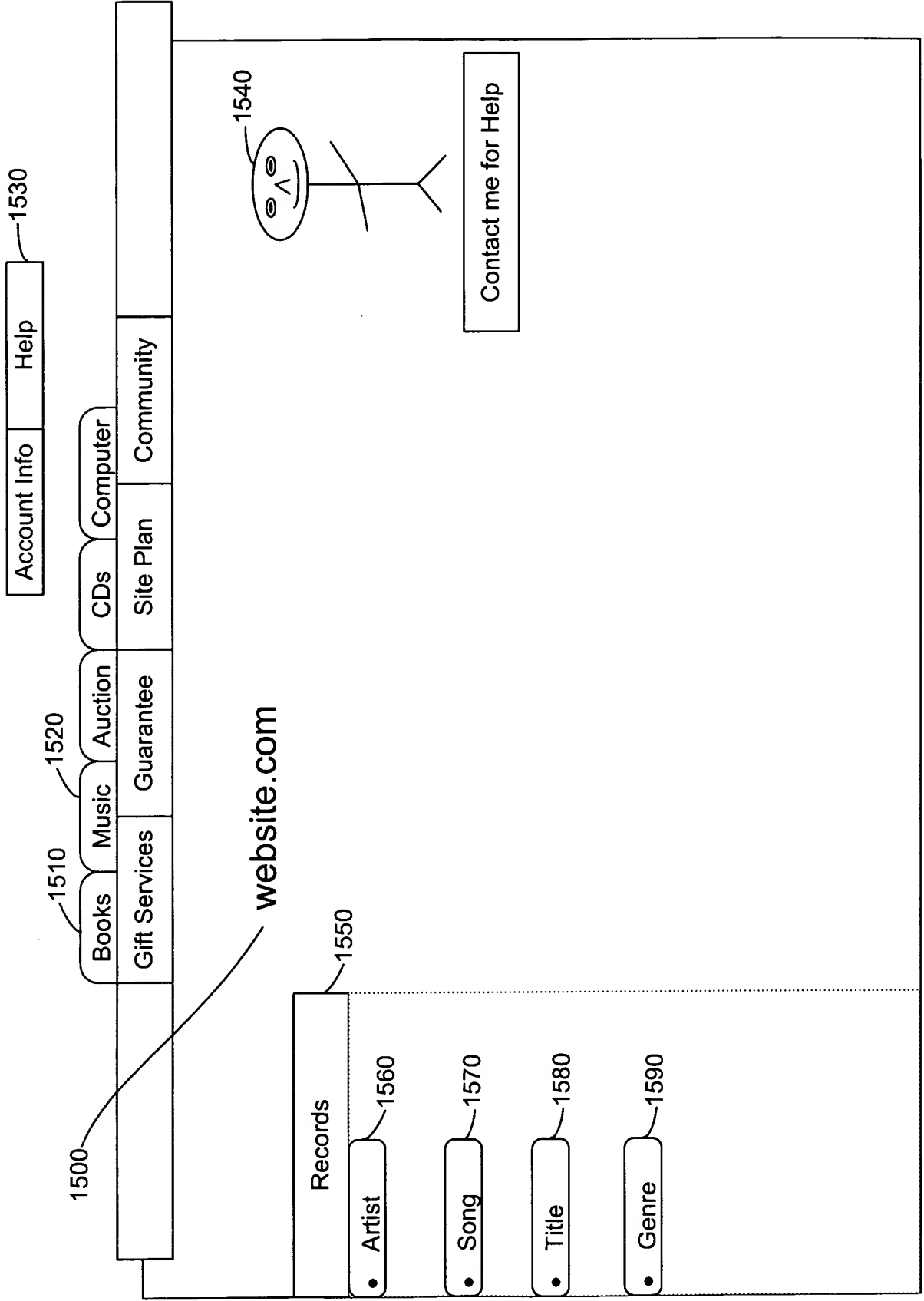
Replacement Sheet Fig. 13



Replacement Sheet Fig. 14

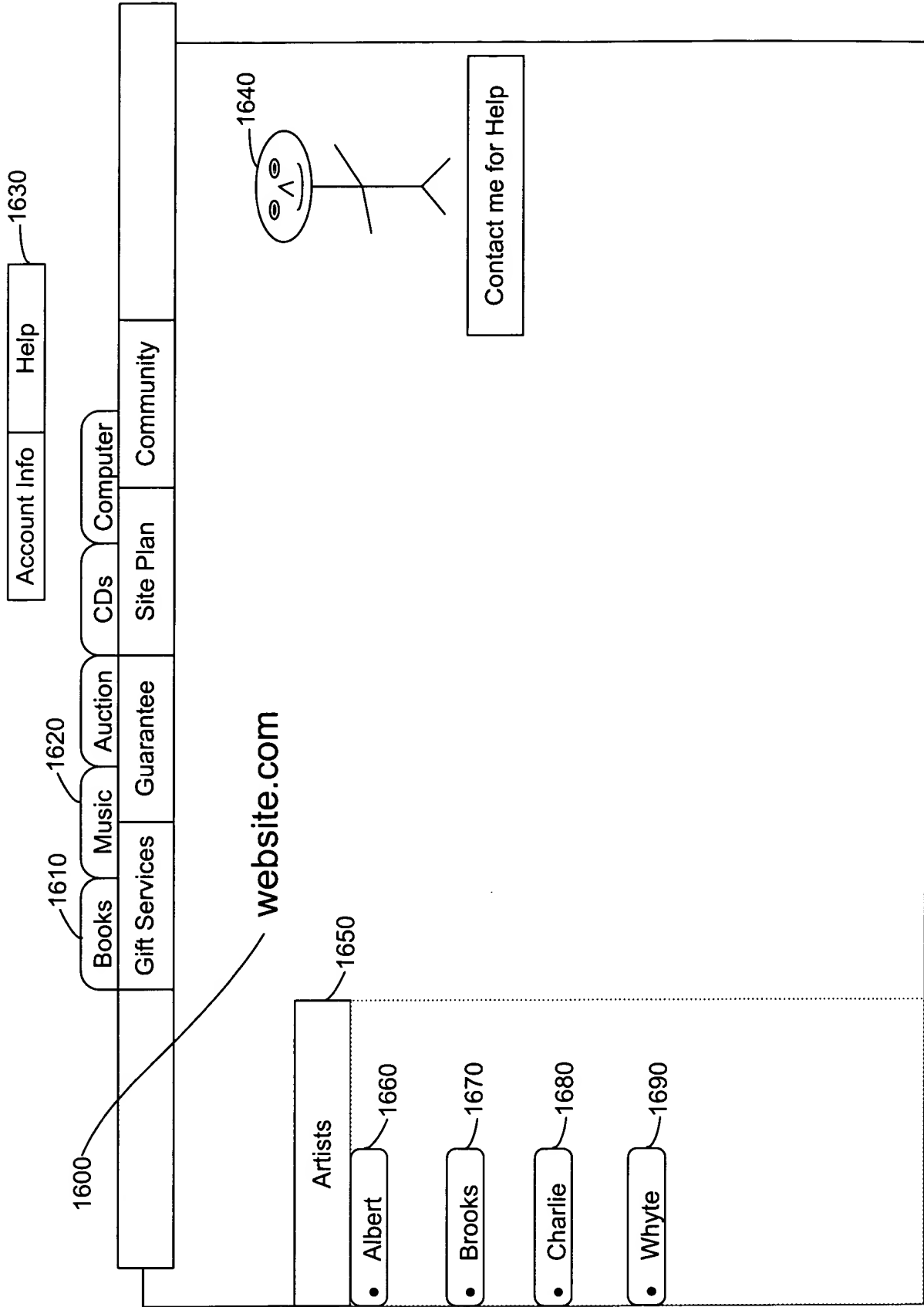


Replacement Sheet Fig. 15

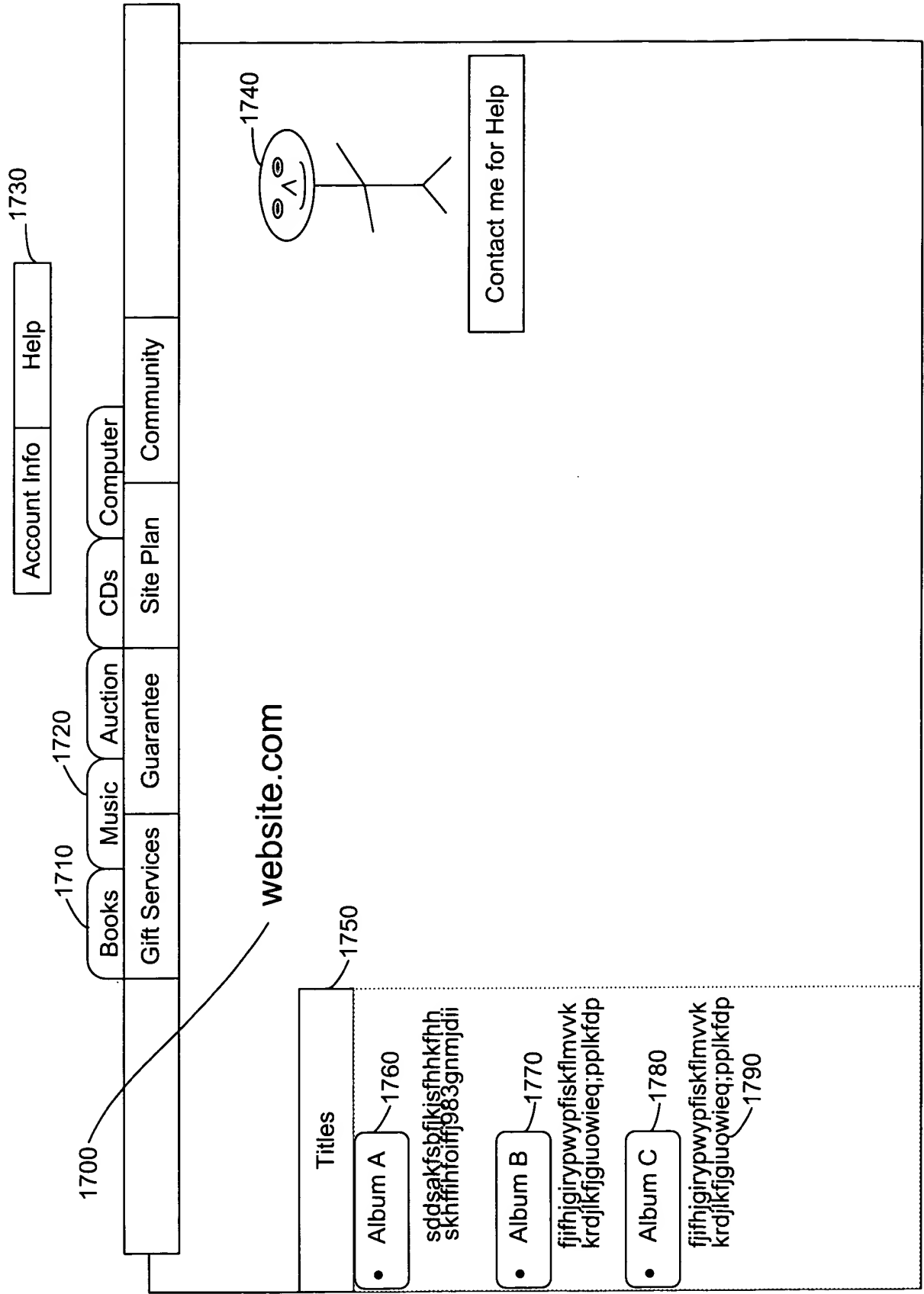




Replacement Sheet Fig. 16

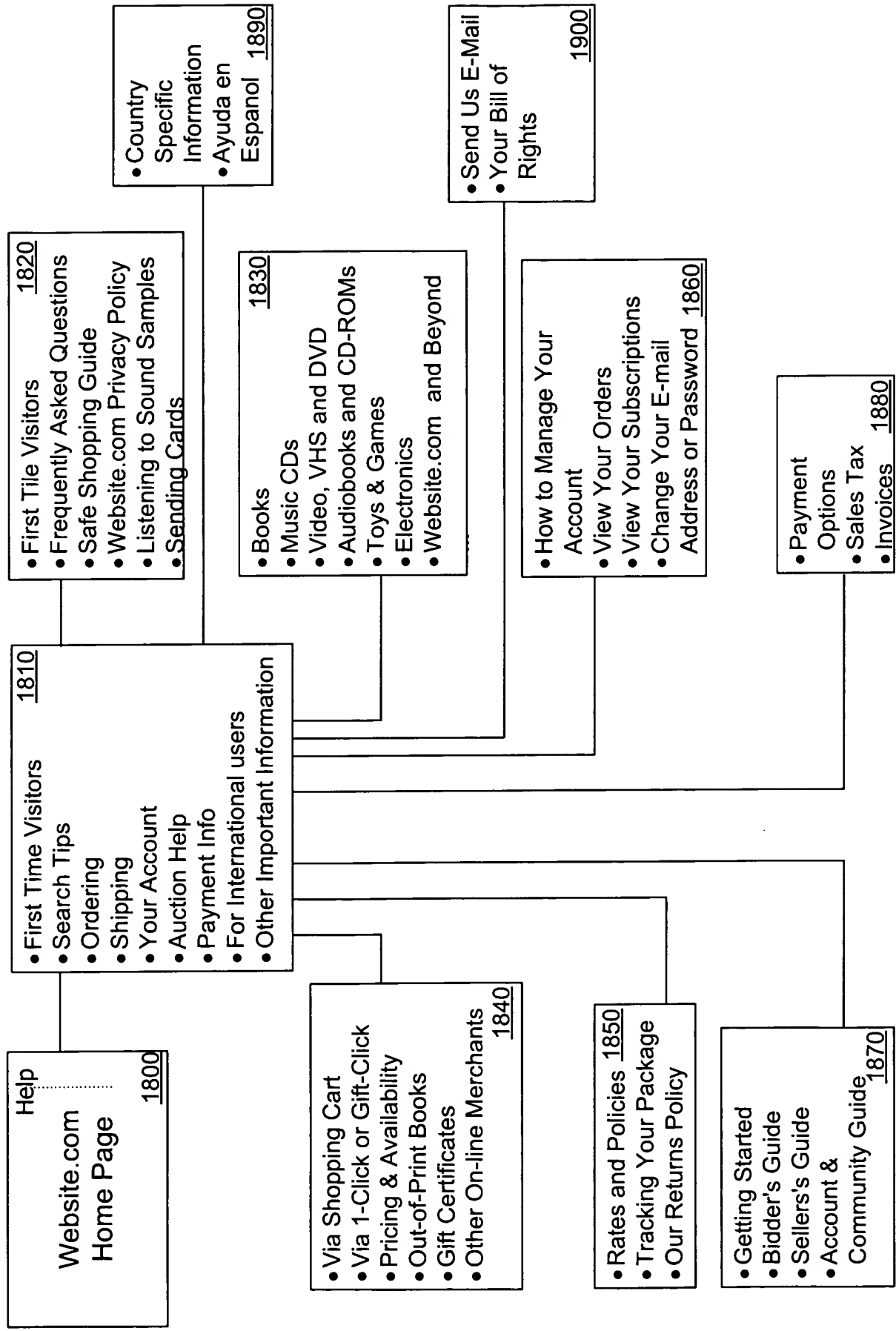


Replacement Sheet Fig. 17





Replacement Sheet Fig. 18 (Page 1/2)





Replacement Sheet Fig. 18 (Page 2/2)

